

## XSR™ 3000 Series Security Routers for Large Offices



- Comprehensive security features for enterprise branch, regional and central offices
- Integrated IP routing, VPN, firewall in a single device
- Industry-standard management for interoperability in multivendor environments
- Best-in-class price and performance

- **Enterprise-class IP routing, QoS and WAN**

- Delivers non-stop local and wide area networking
- QoS enables VoIP and other priority-sensitive applications

- **Rich suite of security technologies**

- Extranet, site-to-site and remote access VPN technologies
- Policy-managed, deep-packet, stateful inspection firewall
- Security options are software upgradeable, simplifying and reducing the cost of deploying new features and network capabilities

- **Powerful management tools**

- Easy-to-use CLI for reduced training costs
- SNMP integration including support for SNMPv3
- Enhanced management via client/server Java application

- **Industry price/performance leadership**

- Optimized IP routing throughput of 250k to 500k PPS
- Dedicated on-board VPN acceleration with up to 350 Mbps throughput
- EOS Routing Services support a wide range of protocols
- NIMs interoperable with other XSR devices

### Meeting the Demands of a Changing Enterprise Environment

To keep up with evolving business demands, enterprises of all sizes and types must operate in geographically dispersed locations. This means that critical information and key personnel may be located across the country or around the globe.

While this trend can enhance productivity, it can also increase the risk to the security of intellectual property and corporate computing resources. A best-practice approach to protecting remote IT resources is a defense-in-depth strategy, with distributed security—in the form of a state-of-the-art security router—at each office.

### High-Performance Routing, VPN, Firewall and WAN for Your Offices

The XSR 3000 Series Security Router delivers simple and powerful enterprise WAN networking by combining comprehensive IP routing features; a broad range of WAN interfaces; and a rich suite of security functions, including site-to-site and remote access Virtual Private Networking

and policy-managed, stateful-inspection firewall—in a single device. Unlike typical WAN routers, the XSR Security Router provides best-of-breed security and maintains wire-speed WAN performance when features are enabled. And, unlike typical security appliances, the XSR provides extensive IP routing, Quality of Service (QoS) and a wide range of WAN interfaces.

XSR Security Routers provide powerful management and configuration tools, including a familiar Command Line Interface, SNMP and network management application support. Since it can be fully monitored and diagnosed remotely, the XSR is ideal for locations that are managed from the central site of a larger network or for offices where users lack networking expertise.

The XSR sets industry-leading price/performance benchmarks for mid-range networking with IP routing, VPN and firewall available at a significant price advantage over the competition. In addition, the XSR WAN modules are shared across multiple Enterasys platforms, leveraging your investment and simplifying deployment scenarios.

Choose from these different options:

**XSR-3020 for the High-End Branch Office.** With 250k PPS IP routing throughput, support for 1,000 VPN connections, and 1 Gigabit Firewall throughput, the XSR-3020 is well suited to service the high-end branch office. Capable of line-rate performance with dual T3/E3 interfaces, the XSR-3020 can be deployed to connect the branch office with hundreds of onsite users and teleworkers.

**XSR-3150 for Regional Office/VPN Tunnel Server.** Performance of 525k PPS and support for 3,000 VPN connections position the XSR-3150 to meet the needs of the high-end branch or regional office with WAN connections

of up to two T3/E3 or eight T1/E1 links. As a security appliance, the XSR-3150 is capable of 2 Gigabits Firewall throughput and the IPSec VPN encryption option runs at 350 Mbps for either AES or 3DES. A redundant power supply is included to ensure high availability.

**XSR-3250 for Regional Office with WAN Aggregation Requirements.** With performance levels similar to the XSR-3150, the XSR-3250 (600k PPS) has six network interface module (NIM) slots. This enables it to serve the regional office, where up to six T3/E3 or 24 T1/E1 connections are required. A redundant power supply is included to ensure high availability.

## Features at a Glance

XSR Model	XSR-3020	XSR-3150	XSR-3250
<b>NIM Slots</b>	2	2	6
<b>Fixed 10/100/1000 Ports</b>	3	3	3
<b>Optional Gigabit Ethernet*</b>	Mini-GBIC	Mini-GBIC	Mini-GBIC
<b>IP Routing Performance</b>	250k PPS	525k PPS	600k PPS
<b>VPN Tunnels</b>	1,000	3,000 (upgradeable)	3,000 (upgradeable)
<b>VPN Throughput</b>	150 Mbps	350 Mbps	350 Mbps
<b>Firewalling Throughput</b>	1.1 Gbps	2 Gbps	2+ Gbps
<b>Firewall Sessions</b>	150,000	400,000	450,000
<b>Redundant Power Supplies</b>	No	Embedded	Embedded
<b>VPN Accelerator</b>	Embedded	Embedded	Embedded
<b>Flash Memory**</b>	8 MB	8 MB	8 MB
<b>DRAM</b>	128 MB	256 MB	256 MB
<b>External Compact Flash</b>	Yes	Yes	Yes

\* Use of optional Gigabit port disables 1 10/100/1000 fixed port.  
\*\*External compact flash is used to augment flash memory.

## Specifications

### Environmental Specification

---

#### Operating Temperature

0° C to +40° C (+32° F to 104° F)

#### Non-Operating Temperature

-40° C to +70° C (-40° F to 158° F)

#### Operating Humidity

5% to 90% (non-condensing)

#### Power Consumption

Total Power (100 to -240~ Volts) 25W

### Physical Specification

---

#### **XSR-3020**

##### Dimensions

53.3 cm (21") L x 42.9 cm (16.9") W x 4.2 cm (1.6") H

##### Weight

7.72 kg (17 lbs)

#### **XSR-3150**

##### Dimensions

53.3 cm (21") L x 42.9 cm (16.9") W x 4.2 cm (1.6")H

##### Weight

9.09 kg (20 lbs)

#### **XSR-3250**

##### Dimensions

53.34 cm (21") L x 43.22 cm (17.015") W x 6.4 cm (2.5") H

##### Weight

13.154 kg (29 lbs)

### Agency And Standards Specifications

---

#### Safety

UL 60950, CSA 60950, EN 60950, EN 60825 and IEC 60950

#### Electromagnetic Compatibility

47 CFR Parts 2 and 15, CSA C108.8, EN 555022, EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22, and VCCI V-3

#### Telecom Approvals T1/E1 NIM and CT1/E1 NIM

USA 47 CFR Part 68; Canada CS-03; Europe TBR 12 and TBR 13 (For other approved countries, check with your Enterasys representative.)

#### ITU/IETF Standards Support

(A full range of standards/protocols are supported. Ask your Enterasys representative for details.)

#### **Enterasys Private Enterprise MIB Support**

##### Download-MIB

Parameters for router upload/download

##### Chassis-MIB

Parameters for router hardware

##### Timed-Reset-MIB

Parameters for a countdown timer and a forced reset after expiration

##### Configuration Change MIB

Parameters for SNMP management entities to determine if and when configuration changes have occurred

##### Configuration Management MIB

Parameters for an SNMP management entity to reset the managed entity, upload and download executable images and configuration files, and identify the active executable image and configuration files

##### Syslog Client MIB

Parameters for SNMP configuration of individual network entities to generate and log diagnostic messages

##### SNMP Persistence MIB

Parameters for SNMP to save configuration changes to the startup-configuration file

## Ordering Information

### Base Appliances

---

#### XSR-3020

XSR Security Router with three 10/100/1000 Ethernet LAN interfaces, 2 NIM slots, 8 MB onboard Flash memory, 128 MB DRAM, dedicated VPN Accelerator, Compact Flash slot and power supply (internal) in a rackmount form factor; bundled with Enterasys Operating System (EOS) IP Routing Services

#### XSR-3150

XSR Security Router with three 10/100/1000 Ethernet LAN interfaces, 2 NIM slots, 8 MB onboard Flash memory, 256 MB DRAM, dedicated VPN Accelerator, Compact Flash slot, and redundant power supplies (internal) in a rackmount form factor; bundled with Enterasys Operating System (EOS) IP Routing Services

#### XSR-3250

XSR Security Router with three 10/100/1000 Ethernet LAN interfaces, 6 NIM slots, 8 MB onboard Flash memory, 256 MB DRAM, dedicated VPN Accelerator, Compact Flash slot, and redundant power supplies (internal) in a rackmount form factor; bundled with Enterasys Operating System (EOS) IP Routing Services

### Software

---

#### XSR-3020-VPN

VPN for the XSR-3020

#### XSR-3020-FW

Firewall for the XSR-3020

#### XSR-3020-VPN-FW

VPN and Firewall for the XSR-3020

#### XSR-3xxx-VPN

VPN for the XSR-3150 and XSR-3250

#### XSR-3xxx-FW

Firewall for the XSR-3150 and XSR-3250

#### XSR-3xxx-VPN-FW

VPN and Firewall for the XSR-3150 and the XSR-3250

### Network Interface Modules

---

#### XSR-NCC-250-4xx

NIM carrier card\* (for the XSR-3250 only)

#### NIM-ADSL-AC-01

1-port ADSL network interface module (Annex AC – POTS)

#### NIM-ADSL-B-01

1-port ADSL network interface module (Annex B – ISDN)

#### NIM-ETHR-01

1-port 10/100 Ethernet network interface module

#### NIM-FIBR-01

1-port FX100 Fiber network interface module

## Ordering Information

### NIM-CT1E1/PRI-1

1-port channelized T1/E1 with support for ISDN PRI and integrated CSU/DSU

### NIM-CT1E1/PRI-2

2-port channelized T1/E1 with support for ISDN PRI and integrated CSU/DSU

### NIM-CT1E1/PRI-4

4-port channelized T1/E1 with support for ISDN PRI and integrated CSU/DSU

### NIM-DIRELAY-02

Drop and insert network interface module, provides IP PBX pass through for T1/E1 with integrated CSU/DSU

### NIM-T1/E1-01

1-port T1/E1 network interface module, provides Clear Channel and Fractional operation with integrated CSU/DSU

### NIM-T1/E1-02

2-port T1/E1 network interface module, provides Clear Channel and Fractional operation with integrated CSU/DSU

### NIM-T1/E1-04

4-port T1/E1 network interface module, provides Clear Channel and Fractional operation with integrated CSU/DSU

### NIM-SER-02

2-port Sync/Async Serial WAN network interface module (2 Mbps per port) Note: These are not HSSI interfaces

### NIM-SER-04

4-port Sync/Async Serial WAN network interface module (2 Mbps per port) Note: These are not HSSI interfaces

### NIM-BRI-ST-01

1-port ISDN Basic Rate network interface module with S/T interface (Euro version)

### NIM-BRI-ST-02

2-port ISDN Basic Rate network interface module with S/T interface (Euro version)

### NIM-BRI-U-01

1-port ISDN BRI with U interface

### NIM-BRI-U-02

2-port ISDN BRI with U interface

### NIM-T3/E3-01

1-port fractional T3/E3 network interface module with integrated CSU/DSU

## Accessories

---

### XSR-512MB-MEM

512 MB memory upgrade for XSR-3150 and XSR-3250, expands routing, VPN and Firewall units

### NIM-V35-CAB-04

4-port V.35 DTE serial cable for NIM-SER-xx

### NIM-232-CAB-04

4-port RS232/EIA530 DTE serial cable for NIM-SER-xx

### NIM-X21-CAB-04

4-port X.21 DTE serial cable for NIM-SER-xx

#### NIM-449-CAB-04

4-port EIA 449 DTE serial cable for NIM-SER-xx

#### NIM-DBU1-CAB-04

4-port combination V.35 /RS232 DTE serial cable for NIM-SER-xx

#### MGBIC-LC01

1000Base-SX Mini-GBIC with LC connector

#### MGBIC-LC09

1000Base-LX Mini-GBIC with LC connector

#### MGBIC-MT01

1000Base-SX Mini-GBIC with MTRJ connector

*\*Note: XSR 3000 Series configurations include hardware and software components. Product orders should include:*

- *The XSR-3000 base system (EOS IP Routing Services, on board flash and base DRAM, 3 10/100/1000 LAN interfaces and 2 to 6 NIM slots, model dependent)*
- *1 to 6 network interface modules (NIM), if needed.*
- *NIM carrier card (Model XSR-3250) for installation of the third and all subsequent NIMs; order one NIM carrier card XSR-NCC-250-4xx for every two NIMs. (The first and second NIM can be installed on the XSR-3250 without a NIM carrier card. One NIM carrier card enables the installation of a third and fourth NIM. A second enables the installation of a fifth and sixth NIM.) Please note that NIMs must be installed in a NIM carrier card to be hot swappable (hot swap available in XSR Release 9).*
- *NIM cables, if needed*
- *Additional security features (VPN and Firewall) and additional memory for added VPN tunnel capacity, if needed*
- *NetSight Atlas Router Services Manager application*
- *Service contract, recommended to maintain system currency*
- *XSR series products have a license management system to allow the purchase and installation of additional software feature sets at any time.*

### Warranty

---

As a customer-centric company, Enterasys is committed to providing the best possible workmanship and design in our product set. In the event that one of our products fails due to a defect in one of these factors, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired as soon as possible.

### Service and support

---

Enterasys Networks understands that superior service and support is a critical component of *Networks that Know*.™ The Enterasys **SupportNet Portfolio**—a suite of innovative and flexible service and support offerings—completes the Enterasys solution. SupportNet offers all the post-implementation support services you need—online, onsite or over the phone—to maintain your network availability and performance.

### Additional Information

---

For additional information on the XSR, please visit the web at [enterasys.com/products/routing](http://enterasys.com/products/routing)

### Contact Information

---

Contact Enterasys Sales at **877-801-7082** or [enterasys.com/corporate/contact/contact-sales.html](http://enterasys.com/corporate/contact/contact-sales.html)

Enterasys Networks  
Corporate Headquarters  
50 Minuteman Road  
Andover, MA 01810  
U.S.A

NetSight and XSR are trademarks or registered trademarks of Enterasys Networks. All other products or services mentioned are identified by the trademarks or service marks of their respective companies or organizations. NOTE: Enterasys Networks reserves the right to change specifications without notice. Please contact your representative to confirm current specifications.

All contents are copyright © 2004 Enterasys Networks, Inc. All rights reserved.

Lit. #9013277-2 4/04

Page 6 of 6 • Data Sheet

